

Figure 1: apparatus used for determining the cavitation strength of a sample.

5

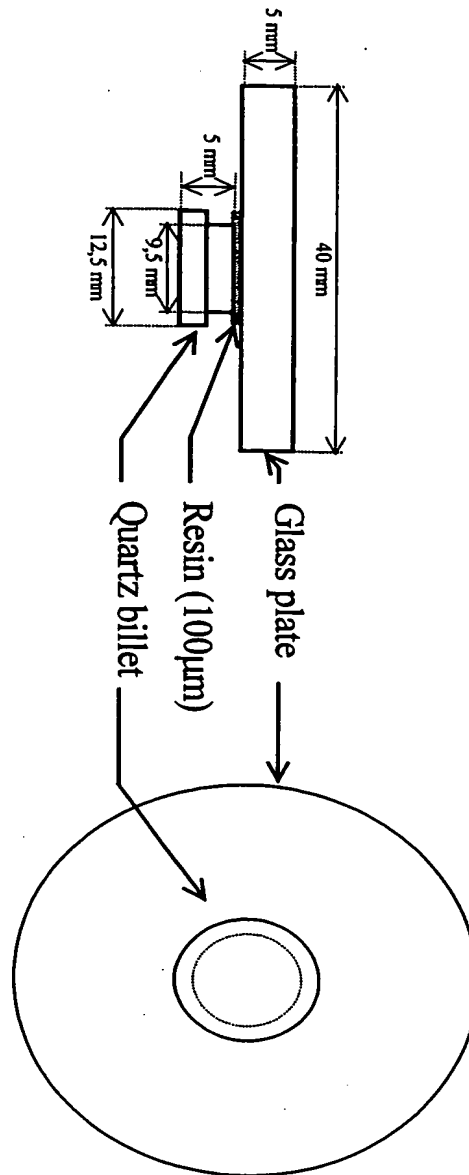


Figure 2: Sample geometry.

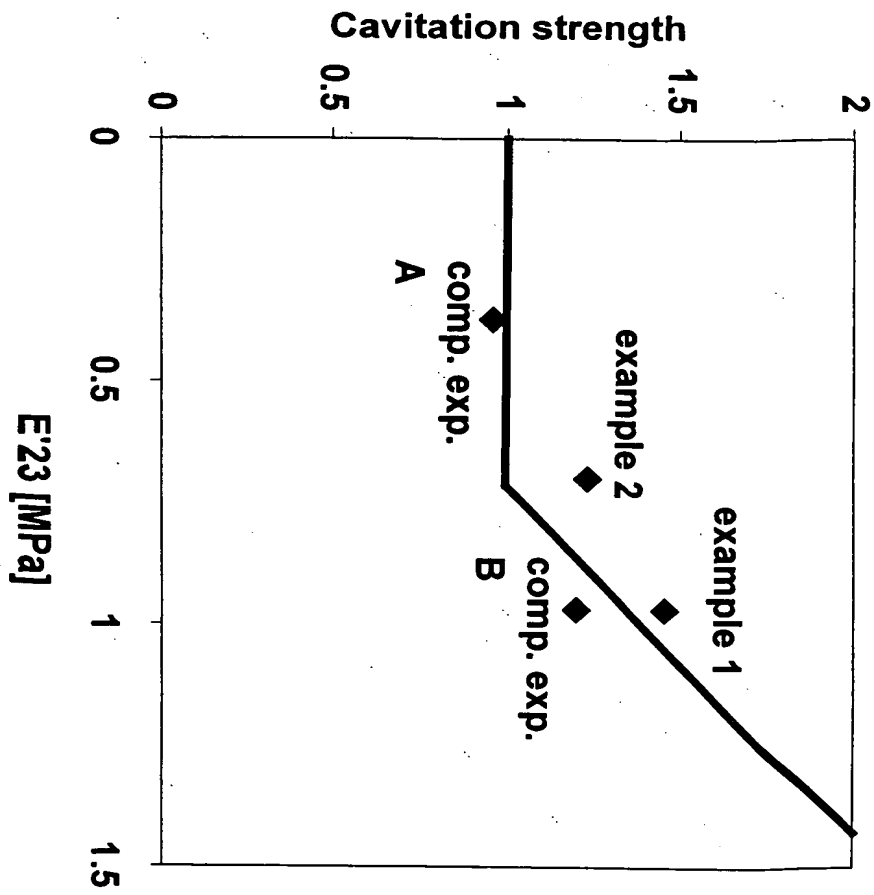


Figure 3: Cavitation strength at the tenth cavitation σ_{cav}^{10} as a function of E'_{23}

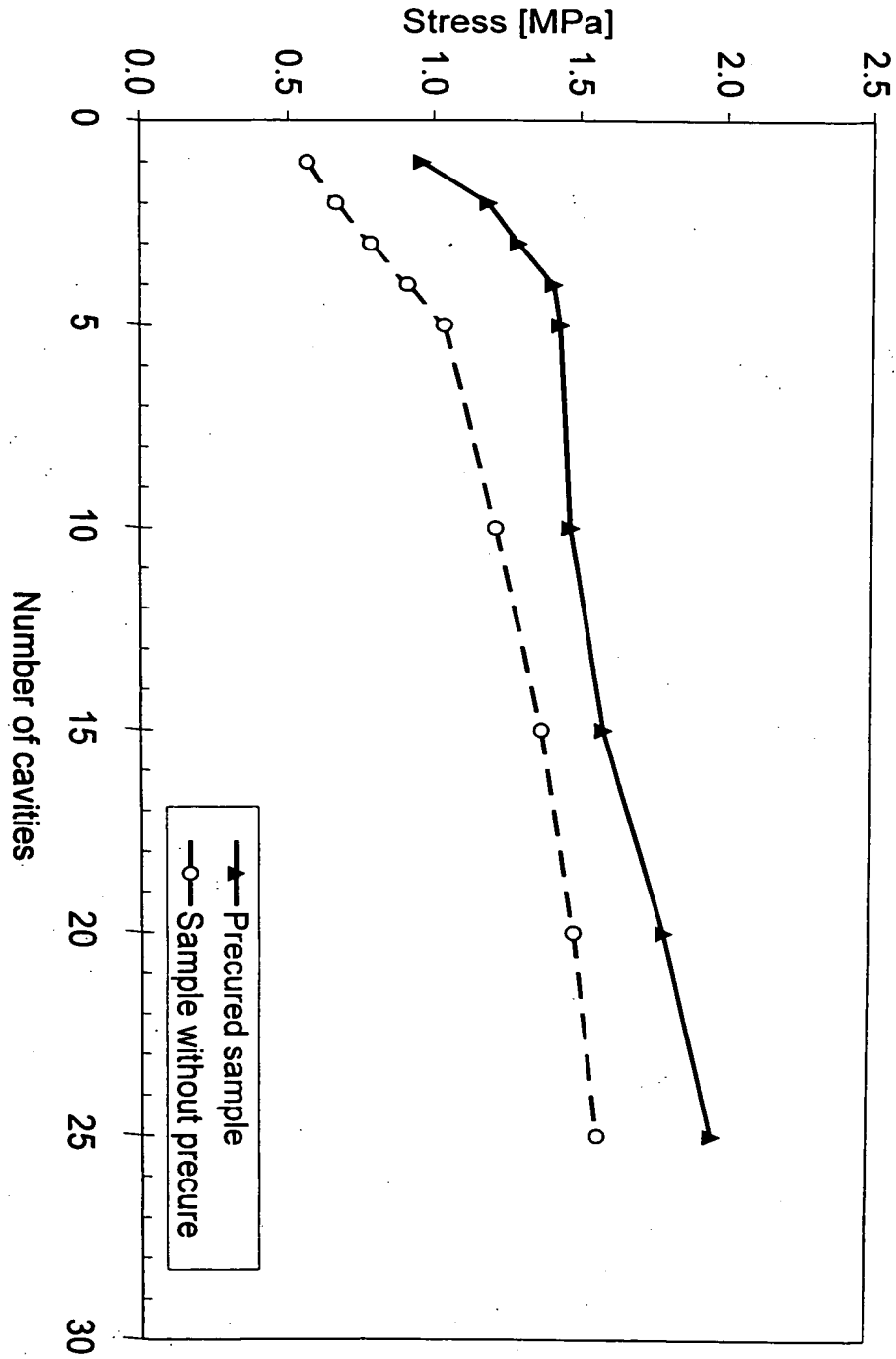


Figure 4: Cavitation strengths of a primary coating sample with and without precure

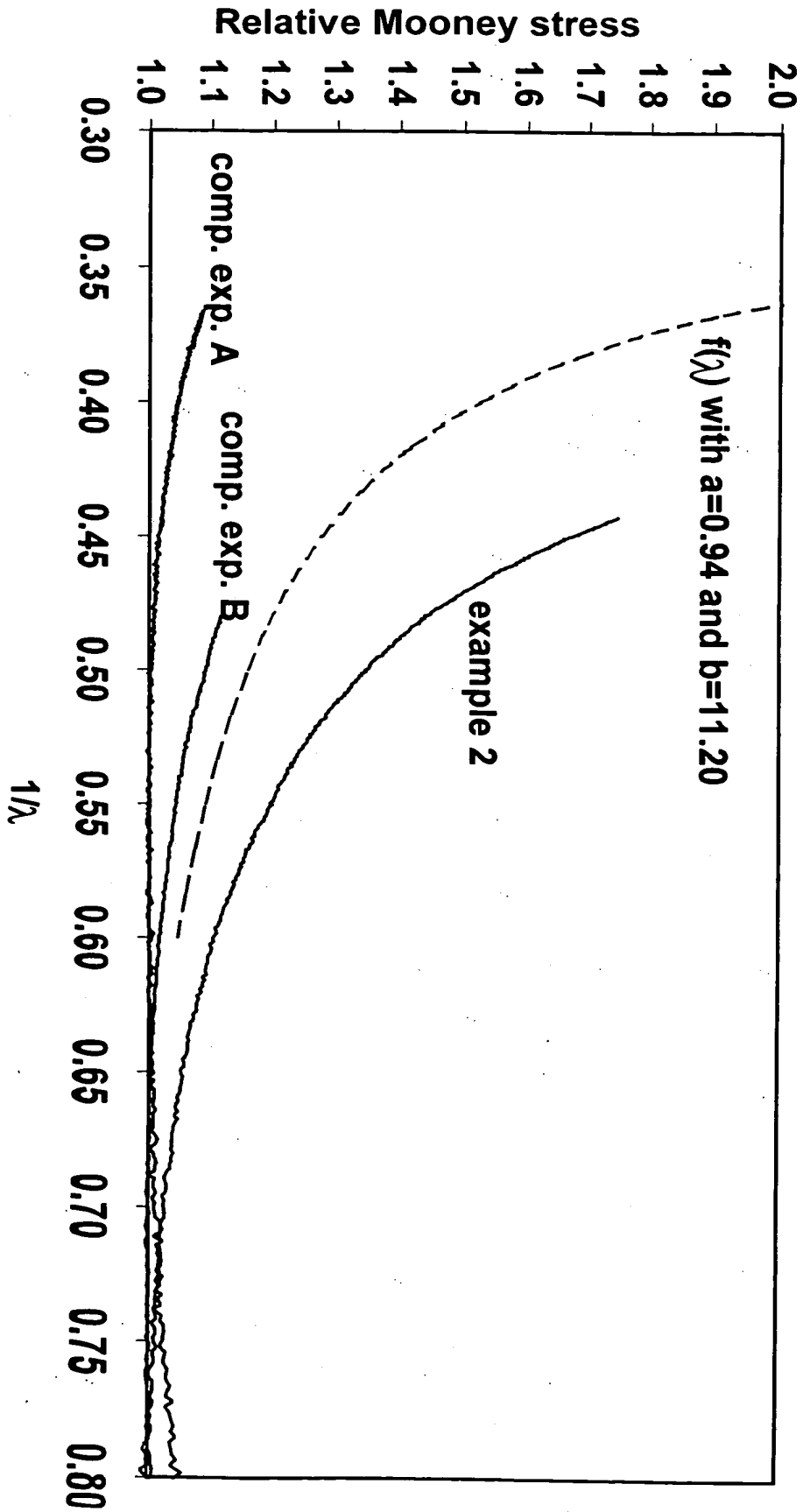
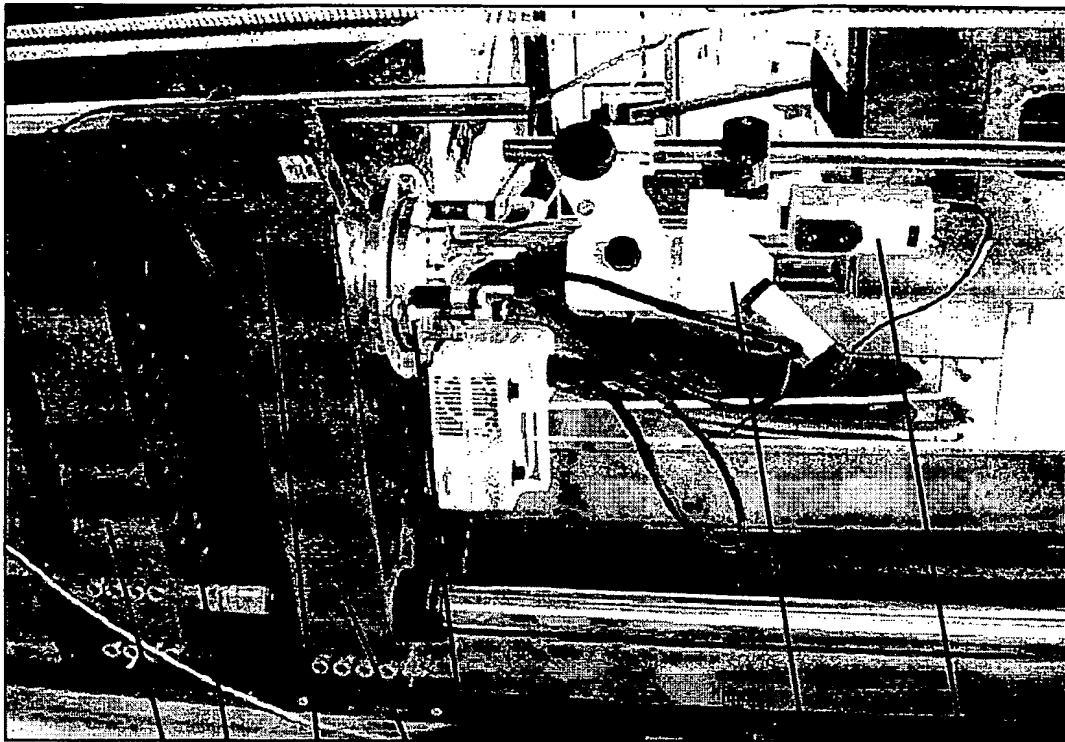


Figure 5: Relative Mooney plots of primary coatings



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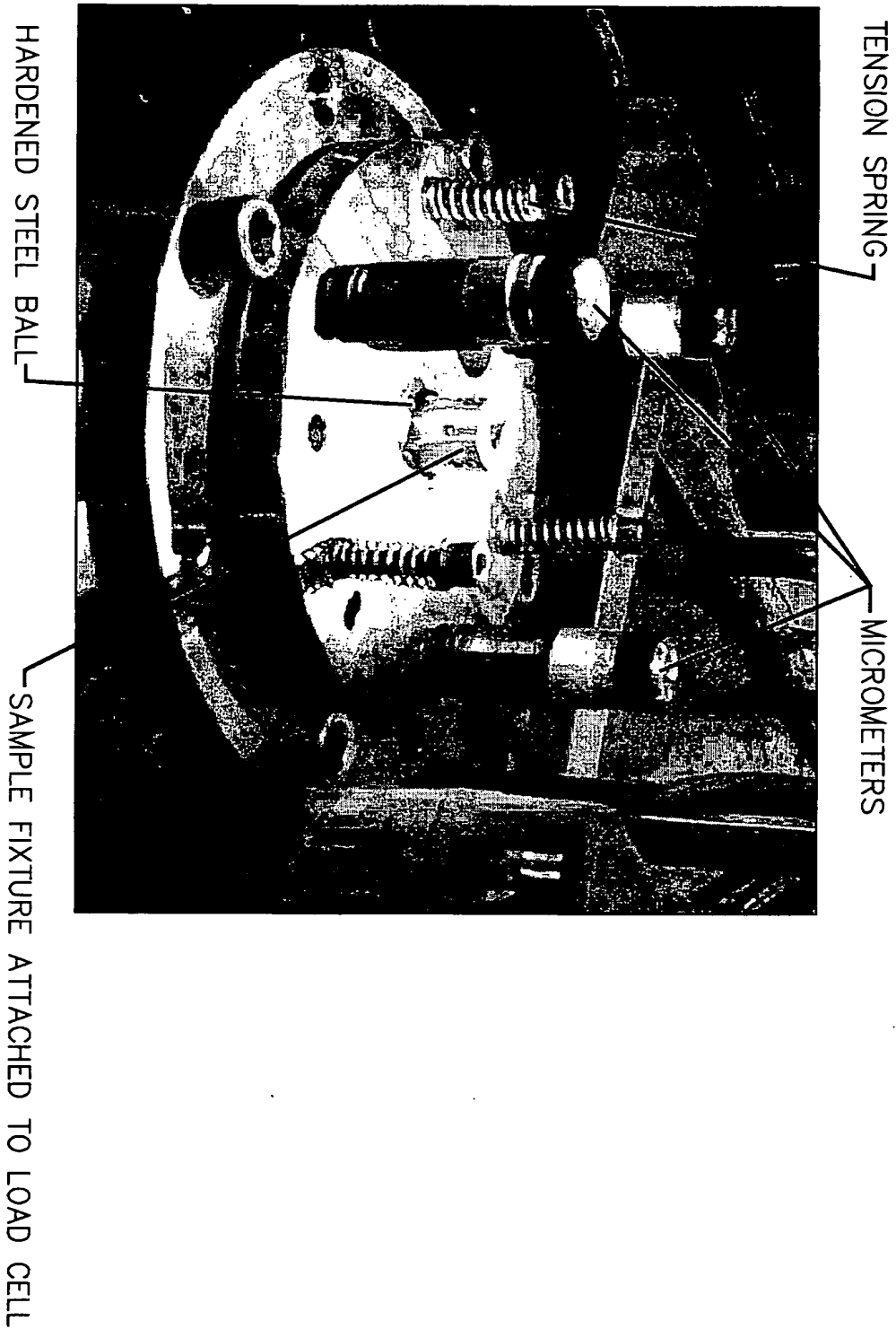
MICROSCOPE

TOP FIXTURE WITH PARALLELITY ADJUSTMENT
MOVING PLATE OF TENSILE TESTING MACHINE

DISPLACEMENT TRANSDUCER

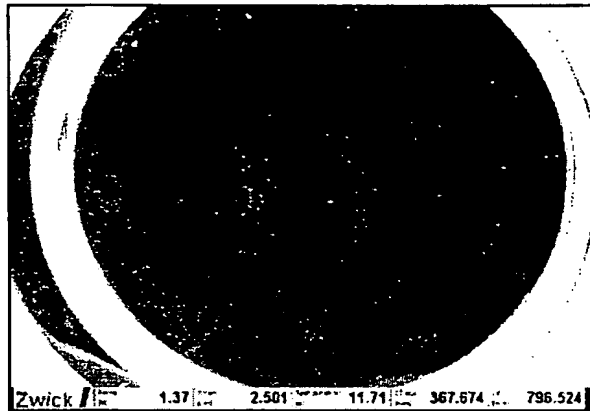
LOAD CELL ATTACHED TO LOWER SAMPLE FIXTURE
FIXED PLATE OF TENSILE TESTING MACHINE

FIG. 6



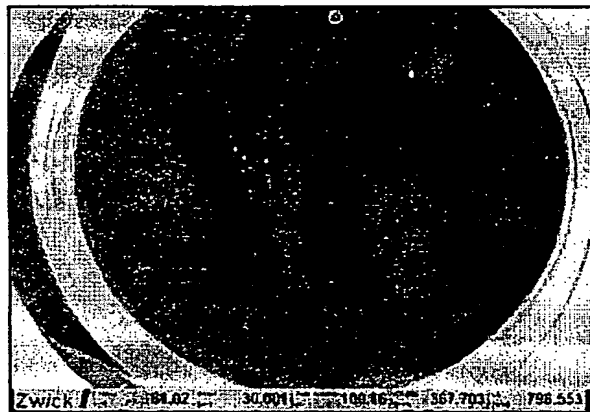
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PRIMARY COATING A



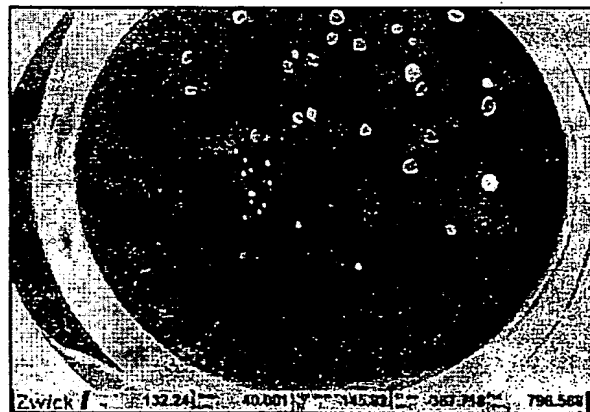
no cavities at $F=1.37$ N

FIG. 8A



2 cavities at $F=61.02$ N

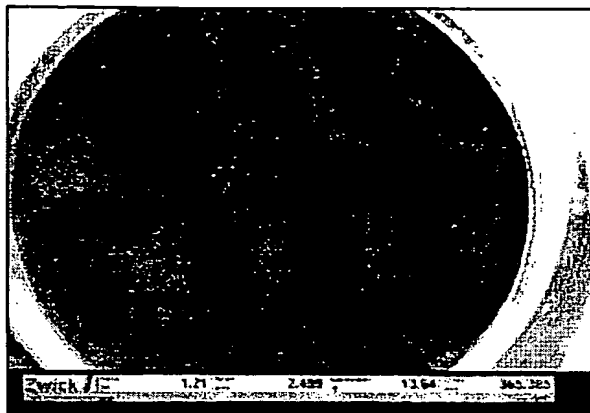
FIG. 8B



25 cavities at $F=132.24$ N

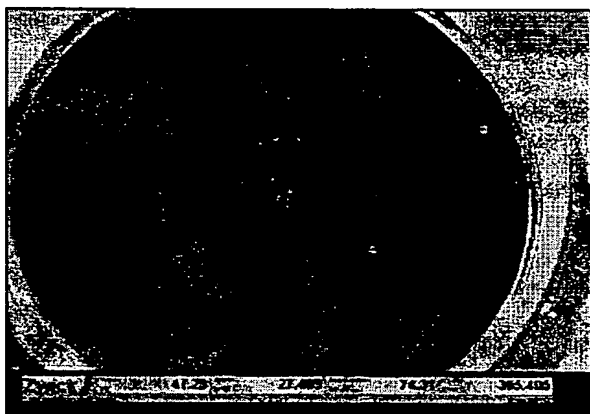
FIG. 8C

PRIMARY COATING B



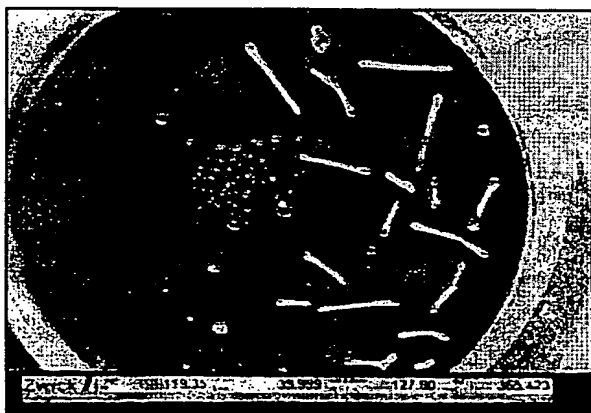
no cavities at $F=1.21$ N

FIG. 8D



2 cavities at $F=47.29$ N

FIG. 8E



25 cavities at $F=119.35$ N

FIG. 8F

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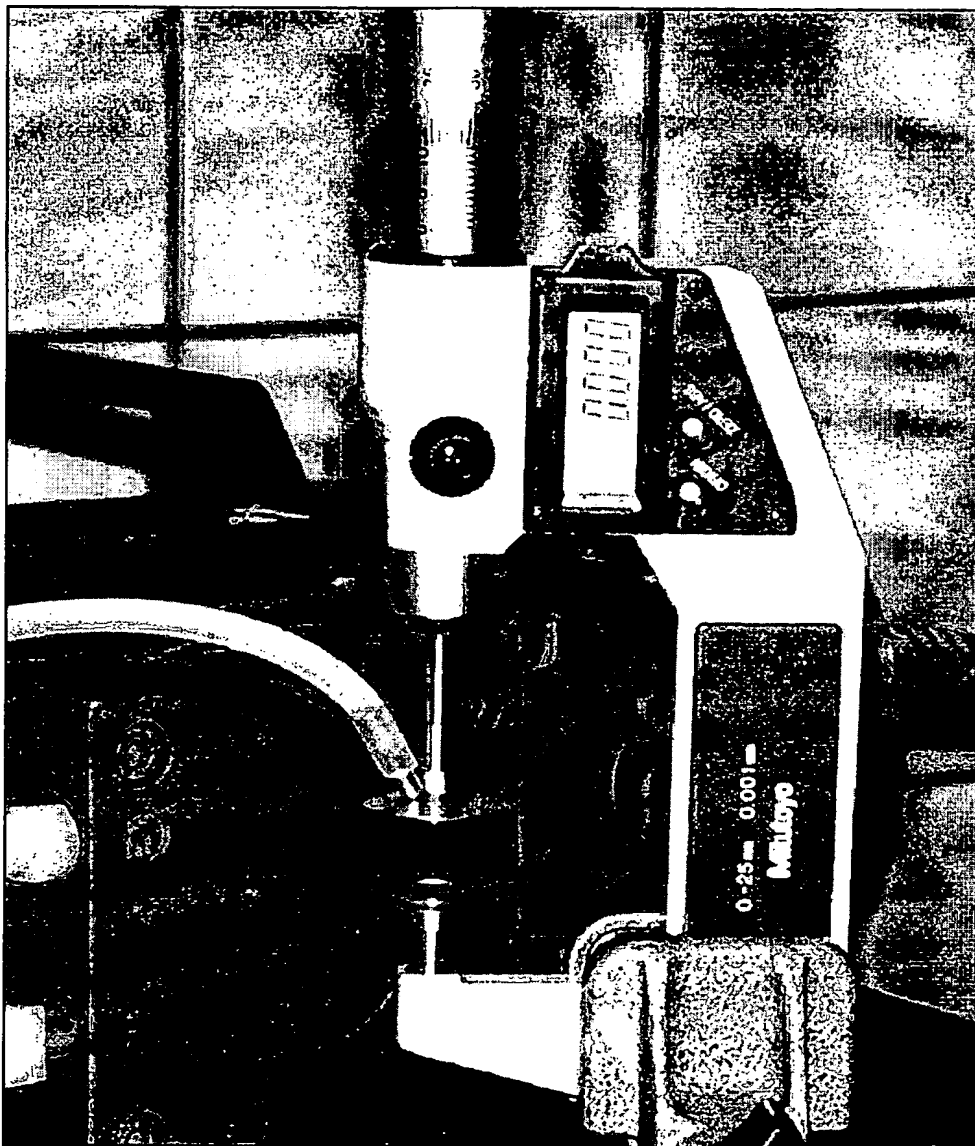


FIG. 9

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